



IFWO

RAW SEQUENCE LISTING

DATE: 10/04/2004

PATENT APPLICATION: US/10/077,555A

TIME: 10:58:28

Input Set : A:\P02373US1.txt

Output Set: N:\CRF4\10042004\J077555A.raw

3 <110> APPLICANT: Wang, Rong-fu
 5 <120> TITLE OF INVENTION: Use of Cell-Penetrating Peptides to Generate Antitumor
 unity
 7 <130> FILE REFERENCE: P02373US1/10200806
 9 <140> CURRENT APPLICATION NUMBER: US 10/077,555A
 10 <141> CURRENT FILING DATE: 2002-02-15
 12 <150> PRIOR APPLICATION NUMBER: US 60/268,687
 13 <151> PRIOR FILING DATE: 2001-02-15
 15 <160> NUMBER OF SEQ ID NOS: 72
 17 <170> SOFTWARE: PatentIn version 3.3
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 12
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Artificial Sequence
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: Synthetic Peptide
 27 <400> SEQUENCE: 1
 29 Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro
 30 1 5 10
 33 <210> SEQ ID NO: 2
 34 <211> LENGTH: 9
 35 <212> TYPE: PRT
 36 <213> ORGANISM: Human
 38 <400> SEQUENCE: 2
 40 Ser Val Tyr Asp Phe Phe Val Trp Leu
 41 1 5
 44 <210> SEQ ID NO: 3
 45 <211> LENGTH: 16
 46 <212> TYPE: PRT
 47 <213> ORGANISM: Drosophila
 49 <400> SEQUENCE: 3
 51 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
 52 1 5 10 15
 55 <210> SEQ ID NO: 4
 56 <211> LENGTH: 11
 57 <212> TYPE: PRT
 58 <213> ORGANISM: Human Immunodeficiency Virus
 60 <400> SEQUENCE: 4
 62 Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg
 63 1 5 10
 66 <210> SEQ ID NO: 5
 67 <211> LENGTH: 11
 68 <212> TYPE: PRT
 69 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

DATE: 10/04/2004

PATENT APPLICATION: US/10/077,555A

TIME: 10:58:28

Input Set : A:\P02373US1.txt

Output Set: N:\CRF4\10042004\J077555A.raw

```

71 <220> FEATURE:
72 <223> OTHER INFORMATION: Synthetic Peptide
74 <400> SEQUENCE: 5
76 Tyr Ala Arg Ala Ala Ala Arg Gln Ala Arg Ala
77 1          5          10
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 11
82 <212> TYPE: PRT
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Synthetic Peptide
88 <400> SEQUENCE: 6
90 Tyr Ala Arg Ala Ala Arg Arg Ala Ala Arg Arg
91 1          5          10
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 16
96 <212> TYPE: PRT
97 <213> ORGANISM: human
99 <400> SEQUENCE: 7
101 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
102 1          5          10          15
105 <210> SEQ ID NO: 8
106 <211> LENGTH: 27
107 <212> TYPE: PRT
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Synthetic Peptide
113 <400> SEQUENCE: 8
115 Gly Ala Leu Phe Leu Gly Trp Leu Gly Ala Ala Gly Ser Thr Met Gly
116 1          5          10          15
119 Ala Trp Ser Gln Pro Lys Lys Lys Arg Lys Val
120          20          25
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 12
125 <212> TYPE: PRT
126 <213> ORGANISM: Hepatitis B virus
128 <400> SEQUENCE: 9
130 Pro Leu Ser Ser Ile Phe Ser Arg Ile Gly Asp Pro
131 1          5          10
134 <210> SEQ ID NO: 10
135 <211> LENGTH: 26
136 <212> TYPE: PRT
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Synthetic Peptide
142 <400> SEQUENCE: 10
144 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Lys Ile Asn Leu Lys
145 1          5          10          15
148 Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu

```

RAW SEQUENCE LISTING

DATE: 10/04/2004

PATENT APPLICATION: US/10/077,555A

TIME: 10:58:28

Input Set : A:\P02373US1.txt

Output Set: N:\CRF4\10042004\J077555A.raw

```

149          20          25
152 <210> SEQ ID NO: 11
153 <211> LENGTH: 18
154 <212> TYPE: PRT
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Synthetic Peptide
160 <400> SEQUENCE: 11
162 Lys Leu Ala Leu Lys Leu Ala Leu Lys Ala Leu Lys Ala Ala Leu Lys
163 1          5          10          15
166 Leu Ala
170 <210> SEQ ID NO: 12
171 <211> LENGTH: 34
172 <212> TYPE: PRT
173 <213> ORGANISM: Herpes simplex virus 1
175 <400> SEQUENCE: 12
177 Asp Ala Ala Thr Ala Thr Arg Gly Arg Ser Ala Ala Ser Arg Pro Thr
178 1          5          10          15
181 Glu Arg Pro Arg Ala Pro Ala Arg Ser Ala Ser Arg Pro Arg Arg Pro
182          20          25          30
185 Val Glu
189 <210> SEQ ID NO: 13
190 <211> LENGTH: 21
191 <212> TYPE: PRT
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Synthetic Peptide
197 <400> SEQUENCE: 13
199 Lys Glu Thr Trp Trp Glu Thr Trp Trp Thr Glu Trp Ser Gln Pro Lys
200 1          5          10          15
203 Lys Lys Arg Lys Val
204          20
207 <210> SEQ ID NO: 14
208 <211> LENGTH: 35
209 <212> TYPE: PRT
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Synthetic Peptide
215 <400> SEQUENCE: 14
217 Lys Lys Lys Lys Lys Lys Gly Gly Phe Leu Gly Phe Trp Arg Gly Glu
218 1          5          10          15
221 Asn Gly Arg Lys Thr Arg Ser Ala Tyr Glu Arg Met Cys Asn Ile Leu
222          20          25          30
225 Lys Gly Lys
226          35
229 <210> SEQ ID NO: 15
230 <211> LENGTH: 10
231 <212> TYPE: PRT
232 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING

DATE: 10/04/2004

PATENT APPLICATION: US/10/077,555A

TIME: 10:58:28

Input Set : A:\P02373US1.txt

Output Set : N:\CRF4\10042004\J077555A.raw

234 <220> FEATURE:
235 <223> OTHER INFORMATION: Synthetic Peptide
237 <400> SEQUENCE: 15
239 Glu Val Tyr Asp Gly Arg Glu His Ser Ala
240 1 5 10
243 <210> SEQ ID NO: 16
244 <211> LENGTH: 10
245 <212> TYPE: PRT
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Synthetic Peptide
251 <400> SEQUENCE: 16
253 Arg Glu Pro Val Thr Lys Ala Glu Met Leu
254 1 5 10
257 <210> SEQ ID NO: 17
258 <211> LENGTH: 10
259 <212> TYPE: PRT
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Synthetic Peptide
265 <400> SEQUENCE: 17
267 Glu Ala Asp Ile Pro Ile Gly His Leu Tyr
268 1 5 10
271 <210> SEQ ID NO: 18
272 <211> LENGTH: 10
273 <212> TYPE: PRT
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: Synthetic Peptide
279 <400> SEQUENCE: 18
281 Met Glu Val Asp Pro Ile Gly His Leu Tyr
282 1 5 10
285 <210> SEQ ID NO: 19
286 <211> LENGTH: 10
287 <212> TYPE: PRT
288 <213> ORGANISM: Artificial Sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: Synthetic Peptide
293 <400> SEQUENCE: 19
295 Gly Val Tyr Asp Gly Arg Glu His Thr Val
296 1 5 10
299 <210> SEQ ID NO: 20
300 <211> LENGTH: 11
301 <212> TYPE: PRT
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Synthetic Peptide
307 <400> SEQUENCE: 20
309 Met Thr Gln Gly Gln His Phe Leu Gln Lys Val

RAW SEQUENCE LISTING

DATE: 10/04/2004

PATENT APPLICATION: US/10/077,555A

TIME: 10:58:28

Input Set : A:\P02373US1.txt

Output Set: N:\CRF4\10042004\J077555A.raw

```

310 1          5          10
313 <210> SEQ ID NO: 21
314 <211> LENGTH: 11
315 <212> TYPE: PRT
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Synthetic Peptide
321 <400> SEQUENCE: 21
323 Ser Leu Leu Met Trp Ile Thr Gln Cys Phe Leu
324 1          5          10
327 <210> SEQ ID NO: 22
328 <211> LENGTH: 10
329 <212> TYPE: PRT
330 <213> ORGANISM: Artificial Sequence
332 <220> FEATURE:
333 <223> OTHER INFORMATION: Synthetic Peptide
335 <400> SEQUENCE: 22
337 Ala Ser Gly Pro Gly Gly Ala Pro Arg
338 1          5          10
341 <210> SEQ ID NO: 23
342 <211> LENGTH: 10
343 <212> TYPE: PRT
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: Synthetic Peptide
349 <400> SEQUENCE: 23
351 Glu Ala Ala Gly Ile Gly Ile Leu Thr Val
352 1          5          10
355 <210> SEQ ID NO: 24
356 <211> LENGTH: 10
357 <212> TYPE: PRT
358 <213> ORGANISM: Artificial Sequence
360 <220> FEATURE:
361 <223> OTHER INFORMATION: Synthetic Peptide
363 <400> SEQUENCE: 24
365 Ala Glu Glu Ala Ala Gly Ile Gly Ile Leu
366 1          5          10
369 <210> SEQ ID NO: 25
370 <211> LENGTH: 11
371 <212> TYPE: PRT
372 <213> ORGANISM: Artificial Sequence
374 <220> FEATURE:
375 <223> OTHER INFORMATION: Synthetic Peptide
377 <400> SEQUENCE: 25
379 Ala Glu Glu Ala Ala Gly Ile Gly Ile Leu Thr
380 1          5          10
383 <210> SEQ ID NO: 26
384 <211> LENGTH: 10
385 <212> TYPE: PRT

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/077,555A

DATE: 10/04/2004

TIME: 10:58:29

Input Set : A:\P02373US1.txt

Output Set: N:\CRF4\10042004\J077555A.raw